

2/12

50	-1.10	=====	I	
51	-0.80	=====	t	
52	-0.18	==	V	
53	-0.23	==	S	
54	-0.37	=====	T	
55	-0.25	===	N	
56	-0.28	===	G	
57	0.22		S	==
58	-0.25	===	I	
59	0.05		H	
60	0.05		S	
61	-0.07	=	P	
62	-0.05		R	
63	-0.55	=====	F	
64	0.37		P	=====
65	0.40		H	=====
66	0.42		T	=====
67	0.23		Y	==
68	-0.08	=	P	
69	-0.33	===	R	
70	-1.40	=====	N	
71	-0.93	=====	T	
72	-1.17	=====	V	
73	-1.17	=====	L	
74	-0.95	=====	V	
75	-0.95	=====	W	
76	0.12		R	=
77	0.12		L	=
78	0.45		V	=====
79	0.45		A	=====
80	-0.03		V	
81	-0.08	=	E	
82	-0.55	=====	E	
83	-1.35	=====	N	
84	-1.45	=====	V	
85	-1.62	=====	W	
86	-0.55	=====	I	
87	0.25		Q	===
88	0.72		L	=====
89	0.60		T	=====
90	0.67		F	=====
91	0.78		D	=====
92	0.78		E	=====
93	0.78		R	=====
94	0.28		F	===
95	1.20		G	=====
96	1.70		L	=====
97	2.50		E	=====
98	1.70		D	=====
99	1.03		P	=====
100	1.53		E	=====
101	0.65		D	=====
102	0.65		D	=====
103	-0.27	===	I	
104	-0.22	==	C	
105	0.45		K	=====

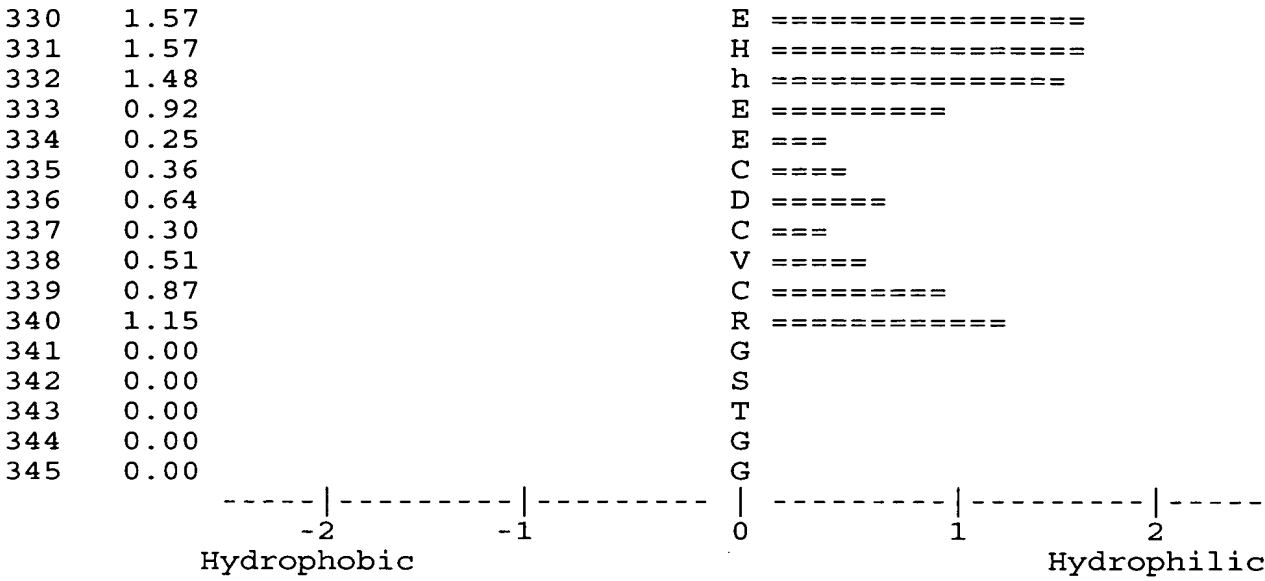
004220"23274960

5/12

218	-0.80	=====	P
219	-0.80	=====	T
220	-0.23	==	w
221	-0.15	=	Q
222	-0.60	=====	L
223	-0.55	=====	L
224	-0.67	=====	G
225	-0.67	=====	K
226	-0.67	=====	A
227	-0.08	=	F
228	0.38		V =====
229	1.13		F =====
230	1.30		G =====
231	1.05		R =====
232	1.05		K =====
233	0.25		S ===
234	0.23		R ==
235	-0.57	=====	V
236	-0.62	=====	V
237	-0.43	=====	D
238	-0.43	=====	L
239	0.37		N =====
240	0.08		L =
241	0.88		L =====
242	0.88		T =====
243	0.57		E =====
244	0.12		E =
245	-0.55	=====	V
246	-0.37	=====	R
247	-0.87	=====	L
248	-0.07	=	Y
249	0.35		S =====
250	-0.12	=	C
251	0.10		T =
252	-0.08	=	P
253	-0.03		R
254	-0.83	=====	N
255	-0.37	=====	F
256	0.55		S =====
257	1.00		V =====
258	0.95		S =====
259	1.40		I =====
260	2.20		R =====
261	1.63		E =====
262	1.63		E =====
263	1.07		L =====
264	1.07		K =====
265	0.15		R =
266	-0.92	=====	T
267	-0.85	=====	D
268	-1.35	=====	T
269	-1.45	=====	I
270	-1.45	=====	F
271	-1.33	=====	W
272	-1.02	=====	P
273	-0.52	=====	G

6/12

274	-0.02		C
275	-0.02		L
276	0.28		L ===
277	0.58		V =====
278	0.87		K =====
279	0.20		R ==
280	-0.38	=====	C
281	-0.38	=====	G
282	-0.55	=====	G
283	-0.85	=====	N
284	-0.97	=====	C
285	-0.77	=====	A
286	-0.85	=====	C
287	-0.65	=====	C
288	0.02		L
289	0.15		H ==
290	0.27		N ===
291	0.07		C =
292	-0.02		N
293	-0.05		E
294	-0.50	=====	C
295	0.17		Q ==
296	-0.12	=	C
297	-0.02		V
298	0.73		P =====
299	1.23		S =====
300	1.20		K =====
301	0.62		V =====
302	1.37		T =====
303	1.18		K =====
304	0.38		K =====
305	-0.08	=	Y
306	-0.40	=====	H
307	0.18		E ==
308	-0.32	=====	V
309	0.43		L =====
310	0.67		Q =====
311	0.63		L =====
312	0.68		R =====
313	0.68		P =====
314	0.68		K =====
315	-0.12	=	T
316	-0.13	=	G
317	0.37		V =====
318	0.67		R =====
319	-0.13	=	G
320	-0.20	=====	L
321	0.60		H =====
322	0.43		K =====
323	-0.15	=	S
324	-0.50	=====	L
325	0.30		T =====
326	0.28		D =====
327	0.10		V =
328	0.85		A =====
329	1.43		L =====



00T.EE0"252T4S60

8/12

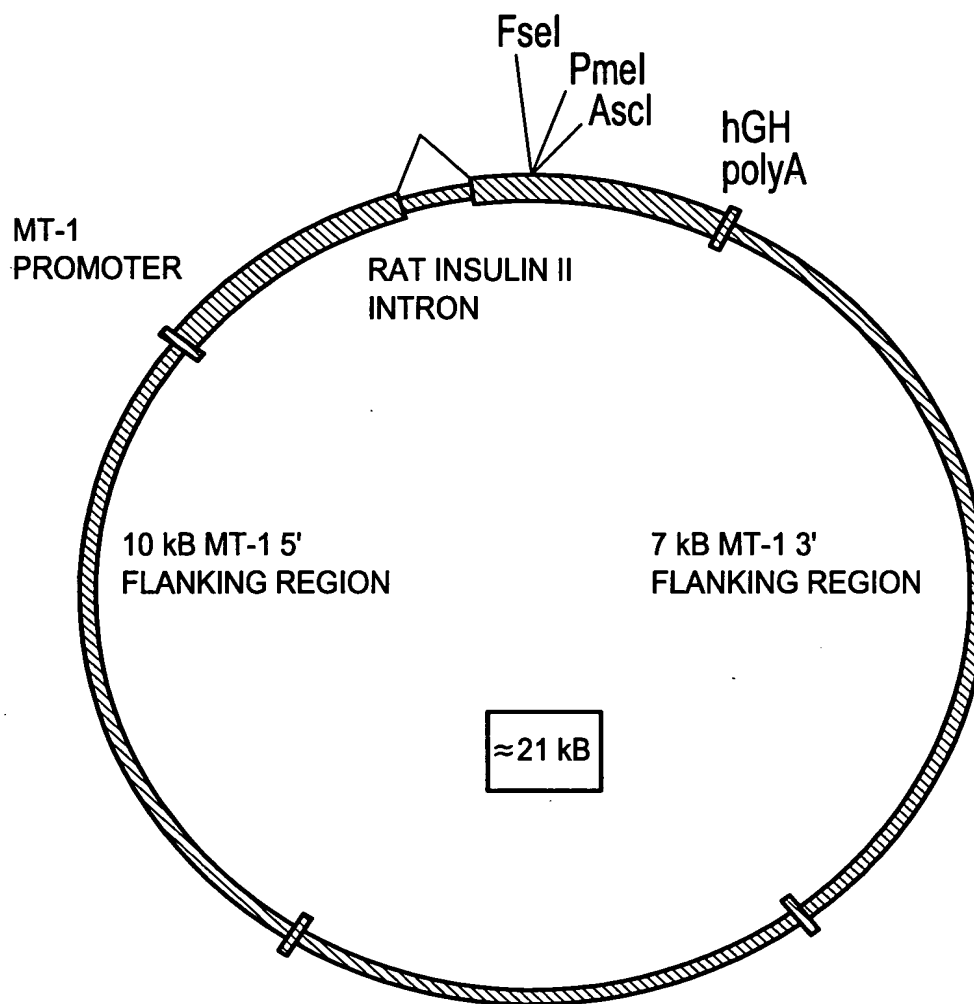


Fig. 2

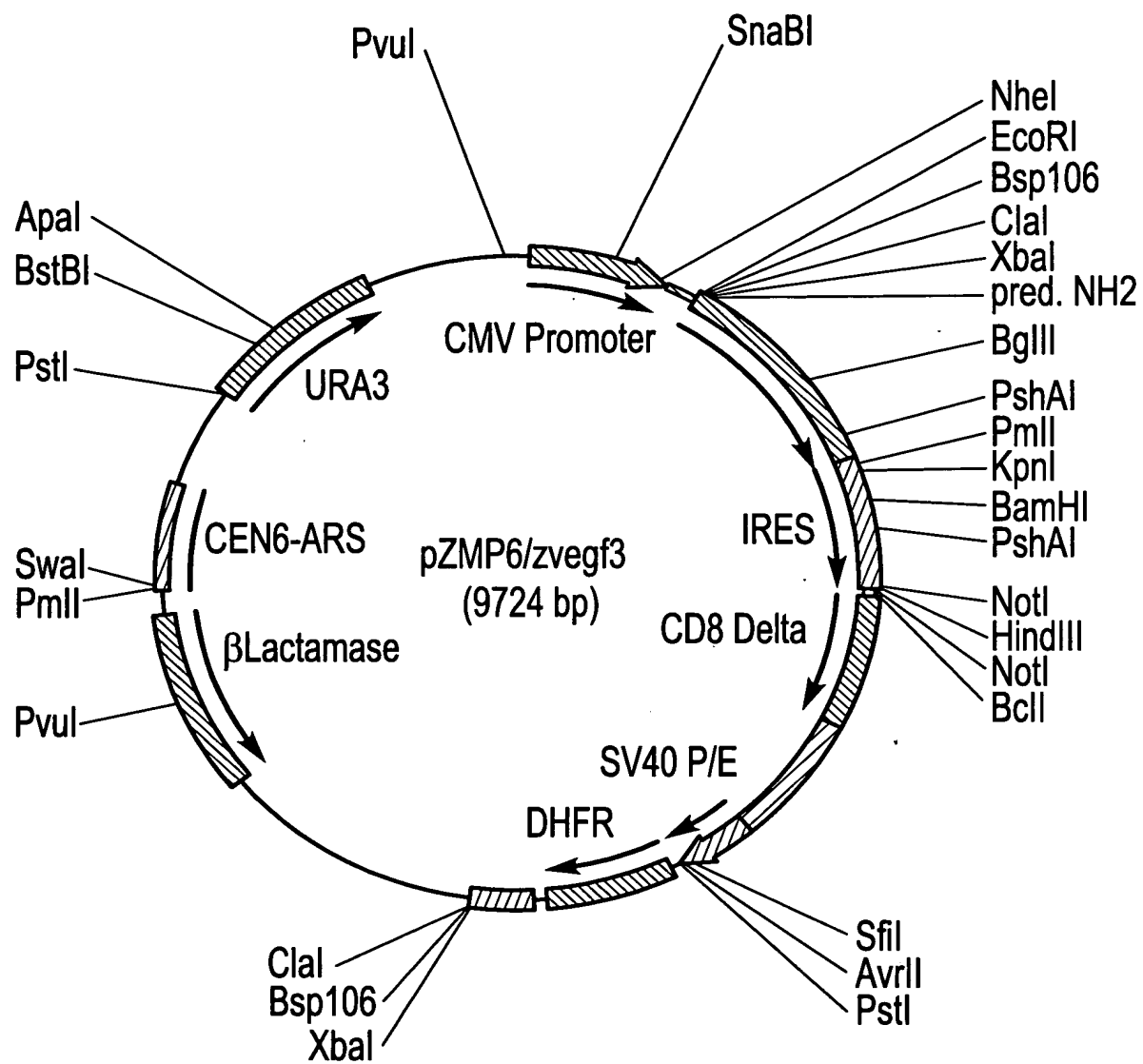


Fig. 3

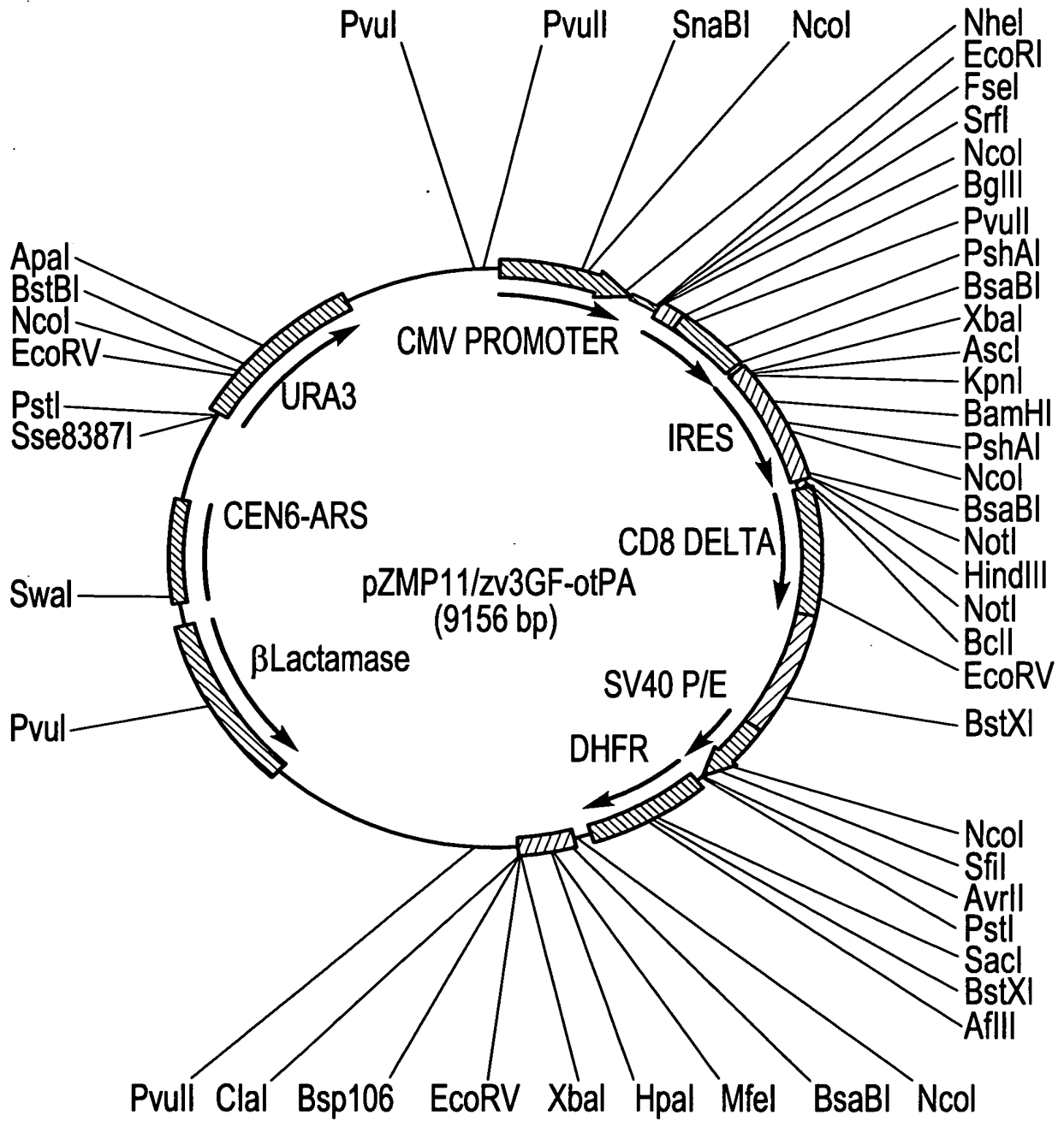
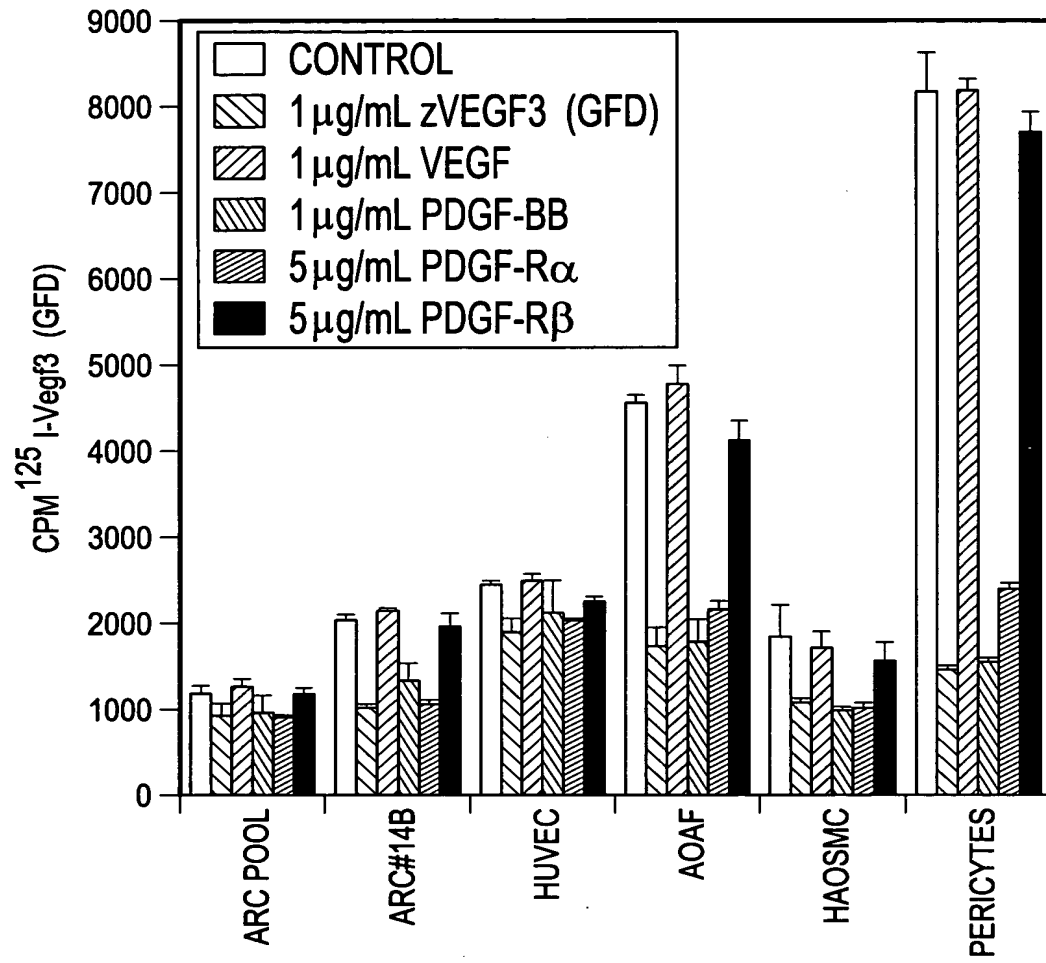


Fig. 4

*Fig. 5*

12/12

MSLFGLLLLTALAGQRQGTQAESNLSSKFQFSSNKEQNGVQDPQHERIITVSTNGSIHS

MLLLGLLLLLTALAGQRTGTRAESNLSSKLQLSSDKEQNGVQDPRHERVVTISGNGSIHS
10 20 30 40 50 60

PRFPHTYPRNTVLVWRLVAVEENVWIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGTIL

PKFPHTYPRNMVLVWRLVAVDENVRIQLTFDERFGLEDPEDDICKYDFVEVEEPSDGSVL
70 80 90 100 110 120

GRWCGSGTVPKGQISKGNQIRIRFVSDEYFPSEPGFCIHYNIVMPQFTEAVSPSVLPPSA

GRWCGSGTVPKGQTSKGNHIRIRFVSDEYFPSEPGFCIHYSIIMPQVTETTSPSVLPPSS
130 140 150 160 170 180

LPLDLLNNAITAFSTLEDLIRYLEPERWQLDLEDLYRPTWQLLGKAFVFGKRSRVVDLNL

LSLDLLNNAVTAFSTLEELIRYLEPDRWQVDLDSLYKPTWQLLGKAFLYGKSKVVNLNL
190 200 210 220 230 240

LTEEVRLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPSK

LKEEVKLYSCTPRNFSVSIREELKRTDTIFWPGCLLVKRCGGNCACCLHNCNECQCVPRK
250 260 270 280 290 300

VTKKYHEVLQLRPKTGVRGLHKSLTDVALEHHEECDVCVRGSTGG (SEQ ID NO:2)

VTKKYHEVLQLRPKTGVKGLHKSLTDVALEHHEECDVCVRGNAGG (SEQ ID NO:43)
310 320 330 340

Fig. 6

bioRxiv preprint doi: <https://doi.org/10.1101/2021.04.28.440000>; this version posted April 28, 2021. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.